09/498,719

	Туре	Hits	Search Text	DBs	Time Stamp
Н	BRS	299	protoporphyrinogen adj oxidase	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/19 13:09
Ν	BRS	15	(protoporphyrinogen adj oxidase) and FAD	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/19 13:06
ω	BRS	224	(protoporphyrinogen adj oxidase) and herbicide	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/19 13:06
4	BRS	19	and	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/19 13:08
Л	BRS	299	protoporphyrinogen adj oxidase	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/19 13:09
Q	BRS	1	(protoporphyrinogen adj oxidase) and Heard.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/19 13:10
7	BRS	6	(protoporphyrinogen adj oxidase) and protox.ti.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/19 13:11

-	Comments	Error Definition	Errors
1		:	0
2		;	0
ω			0
4			0
IJ		: :	0
6			0
7			0

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FILE	'AGRICOLA,	BIOSIS,	CAPLUS,	EMBASE'	ENTERED	ΑT	10:23:53	ON	19	MAR	2004
	1243 S PF	ROTOPORPH	YRINOGEN	(S) OXII	DASE						

L2 42 S L1 AND FAD

L1

L4

L5

Ь7

L3 22 DUP REM L2 (20 DUPLICATES REMOVED)

FILE 'STNGUIDE' ENTERED AT 10:27:06 ON 19 MAR 2004

FILE 'AGRICOLA, BIOSIS, CAPLUS, EMBASE' ENTERED AT 10:37:45 ON 19 MAR 2004

7 S PPO AND FAD

4 DUP REM L4 (3 DUPLICATES REMOVED)

L6 4 S PROTOX AND FAD

2 DUP REM L6 (2 DUPLICATES REMOVED)

FILE 'STNGUIDE' ENTERED AT 10:39:33 ON 19 MAR 2004

YOU HAVE REQUESTED DATA FROM 22 ANSWERS - CONTINUE? Y/(N):y

- L3 ANSWER 1 OF 22 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
- AN 2004:23277 BIOSIS
- DN PREV200400026011
- TI Structure of the yeast Saccharomyces cerevisiae protoporphyrinogen oxidase: Homology modeling and biochemical studies of the active site topology.
- AU Benevant, A. [Reprint Author]; Colloc'h, N.; Camadro, J. M. [Reprint Author]
- CS Laboratoire d'Ingenierie des Proteines et Controle Metabolique, Institut Jacques Monod, CNRS, Universites Paris 6 et 7, Paris, France
- SO Molecular & Cellular Proteomics, (September 2003) Vol. 2, No. 9, pp. 958. print.

 Meeting Info.: HUPO (Human Proteomics Organisation) 2nd Annual and IUBMB
 (International Union of Biochemistry and Molecular Biology) XIX World

Meeting Info.: HUPO (Human Proteomics Organisation) 2nd Annual and IUBMB (International Union of Biochemistry and Molecular Biology) XIX World Congress. Montreal, Quebec, Canada. October 08-11, 2003. American Society for Biochemistry and Molecular Biology Inc. ISSN: 1535-9476 (ISSN print).

DT Conference; (Meeting)

Conference; Abstract; (Meeting Abstract)

LA English

ED Entered STN: 31 Dec 2003 Last Updated on STN: 31 Dec 2003

- L3 ANSWER 2 OF 22 CAPLUS COPYRIGHT 2004 ACS on STN
- AN 2002:861169 CAPLUS
- DN 138:164474
- TI Cloning and expression of a Porphyromonas gingivalis gene for **protoporphyrinogen oxidase** by complementation of a hemG mutant of Escherichia coli
- AU Kusaba, A.; Ansai, T.; Akifusa, S.; Nakahigashi, K.; Taketani, S.; Inokuchi, H.; Takehara, T.
- CS Department of Preventive Dentistry, Kyushu Dental College, Kokurakita-ku, Kitakyushu, 803-8580, Japan
- SO Oral Microbiology and Immunology (2002), 17(5), 290-295 CODEN: OMIMEE; ISSN: 0902-0055
- PB Blackwell Munksgaard
- DT Journal
- LA English
- RE.CNT 27 THERE ARE 27 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT
- L3 ANSWER 3 OF 22 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
- AN 2001:245084 BIOSIS
- DN PREV200100245084
- TI Purification, characterization of bacillus subtilis protoporphyrinogen oxidase and pre-equilibrium behavior of the oxidation of protoporphyrinogen IX.
- AU Han, Oksoo [Reprint author]
- CS Department of Genetic Engineering and Biotechnology Research Institute, Chonnam National University, 300 Yonbong-dong Buk-gu, Kwangju, 500-757, South Korea
- SO FASEB Journal, (March 8, 2001) Vol. 15, No. 5, pp. A875. print.
 Meeting Info.: Annual Meeting of the Federation of American Societies for
 Experimental Biology on Experimental Biology 2001. Orlando, Florida, USA.
 March 31-April 04, 2001.
 CODEN: FAJOEC. ISSN: 0892-6638.
- DT Conference; (Meeting)
 - Conference; Abstract; (Meeting Abstract)
- LA English
- ED Entered STN: 23 May 2001

Last Updated on STN: 19 Feb 2002

- L3 ANSWER 4 OF 22 CAPLUS COPYRIGHT 2004 ACS on STN
- AN 2001:186698 CAPLUS
- DN 134:337476
- TI Purification and characterization of Bacillus subtilis **protoporphyrinogen oxidase** and pre-equilibrium behavior during oxidation of **protoporphyrinogen** IX
- AU Jeong, Eunju; Han, Oksoo
- CS Department of Genetic Engineering and Biotechnology Research Institute, Chonnam National University, Kwangju, 500-757, S. Korea
- SO Journal of Biochemistry and Molecular Biology (2001), 34(1), 39-42 CODEN: JBMBE5; ISSN: 1225-8687
- PB Springer-Verlag Singapore Pte. Ltd.
- DT Journal
- LA English
- RE.CNT 16 THERE ARE 16 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT
- ANSWER 5 OF 22 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN DUPLICATE 1
- AN 2000:376196 BIOSIS
- DN PREV200000376196
- TI Purification and properties of protoporphyrinogen oxidase from spinach chloroplasts.
- AU Watanabe, Naohide; Che, Fang-Sik [Reprint author]; Terashima, Kenji; Takayama, Seiji; Yoshida, Shigeo; Isogai, Akira
- CS Graduate School of Biological Sciences, Nara Institute of Science and Technology, 8915-5, Takayama Ikoma, Nara, 630-0101, Japan
- SO Plant and Cell Physiology, (July, 2000) Vol. 41, No. 7, pp. 889-892. print.

 CODEN: PCPHA5. ISSN: 0032-0781.
- DT Article
- LA English
- ED Entered STN: 6 Sep 2000 Last Updated on STN: 8 Jan 2002
- L3 ANSWER 6 OF 22 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN DUPLICATE 2
- AN 2000:95211 BIOSIS
- DN PREV200000095211
- TI New sequence motifs in flavoproteins: Evidence for common ancestry and tools to predict structure.
- AU Vallon, Olivier [Reprint author]
- CS Institut de Biologie Physico-Chimique, UPR 9072 CNRS, 13 Rue Pierre et Marie Curie, F-75005, Paris, France
- SO Proteins, (Jan. 1, 2000) Vol. 38, No. 1, pp. 95-114. print. CODEN: PSFGEY. ISSN: 0887-3585.
- DT Article
- LA English
- ED Entered STN: 15 Mar 2000 Last Updated on STN: 3 Jan 2002
- L3 ANSWER 7 OF 22 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN DUPLICATE 3
- AN 1998:317463 BIOSIS
- DN PREV199800317463
- TI Identification of an FAD superfamily containing protoporphyrinogen oxidases, monoamine oxidases and phytoene desaturase: Expression and characterization of phytoene desaturase of Myxococcus xanthus.
- AU Dailey, Tamara A.; Dailey, Harry A. [Reprint author]
- CS Dep. Biochem. Mol. Biol., A 222 Life Sciences Build., Univ. Georgia, Athens, GA 30602-7229, USA

- SO Journal of Biological Chemistry, (May 29, 1998) Vol. 273, No. 22, pp. 13658-13662. print.
 CODEN: JBCHA3. ISSN: 0021-9258.
- DT Article
- LA English
- ED Entered STN: 22 Jul 1998 Last Updated on STN: 22 Jul 1998
- L3 ANSWER 8 OF 22 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN DUPLICATE 4
- AN 1998:486289 BIOSIS
- DN PREV199800486289
- TI Stability of recombinant yeast **protoporphyrinogen oxidase**: Effects of diphenyl ether-type herbicides and diphenyleneiodonium.
- AU Arnould, Sylvain; Takahashi, Masayuki; Camadro, Jean-Michel [Reprint author]
- CS Lab. Biochim. Porphyrines, Dep. Microbiol., Inst. Jacques-Monod, UMR 7592 CNRS-Univ. Paris 6 Pierre et Marie Curie-Univ. Paris 7 Denis-Diderot, 2 Pl. Jussieu, F-75251 Paris Cedex 05, France
- SO Biochemistry, (Sept. 15, 1998) Vol. 37, No. 37, pp. 12818-12828. print. CODEN: BICHAW. ISSN: 0006-2960.
- DT Article
- LA English
- ED Entered STN: 5 Nov 1998 Last Updated on STN: 5 Nov 1998
- ANSWER 9 OF 22 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved.

 (2004) on STN DUPLICATE 5
- AN 1999:22382 AGRICOLA
- DN IND21972233
- TI The domain structure of **protoporphyrinogen oxidase**, the molecular target of diphenyl ether-type herbicides.
- AU Arnould, S.; Camadro, J.M.
- CS Universite Paris, Paris, France.
- AV DNAL (500 N21P)
- SO Proceedings of the National Academy of Sciences of the United States of America, Sept 1, 1998. Vol. 95, No. 18. p. 10553-10558
 Publisher: Washington, D.C.: National Academy of Sciences,
 CODEN: PNASA6; ISSN: 0027-8424
- NTE Includes references
- CY District of Columbia; United States
- DT Article; Conference
- FS U.S. Imprints not USDA, Experiment or Extension
- LA English
- L3 ANSWER 10 OF 22 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN DUPLICATE 6
- AN 1998:300938 BIOSIS
- DN PREV199800300938
- TI Human proporphyrinogen oxidase: Relation between the herbicide binding site and the flavin cofactor.
- AU Birchfield, Norman B.; Latli, Bachir; Casida, John E. [Reprint author]
- CS Environ. Chem. and Toxicol. Lab., Dep. Environ. Sci. Policy and Manage., Univ. Calif., Davis, CA 94720-3112, USA
- SO Biochemistry, (May 12, 1998) Vol. 37, No. 19, pp. 6905-6910. print. CODEN: BICHAW. ISSN: 0006-2960.
- DT Article
- LA English
- ED Entered STN: 15 Jul 1998 Last Updated on STN: 13 Aug 1998

- L3 ANSWER 11 OF 22 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN DUPLICATE 7
- AN 1998:494865 BIOSIS
- DN PREV199800494865
- TI Purification of and kinetic studies on a cloned protoporphyrinogen oxidase from the aerobic bacterium Bacillus subtilis.
- AU Corrigall, A. V. [Reprint author]; Siziba, K. B.; Maneli, M. H.; Shephard, E. G.; Ziman, M.; Dailey, T. A.; Dailey, H. A.; Kirsch, R. E.; Meissner, P. N.
- CS Lennox Eales Porphyria Lab., MRC/UCT Liver Res. Centre, Dep. Med., Univ. Cape Town Med. Sch., Observatory 7925, South Africa
- SO Archives of Biochemistry and Biophysics, (Oct. 15, 1998) Vol. 358, No. 2, pp. 251-256. print.

 CODEN: ABBIA4. ISSN: 0003-9861.
- DT Article
- LA English
- ED Entered STN: 18 Nov 1998 Last Updated on STN: 10 May 1999
- L3 ANSWER 12 OF 22 CAPLUS COPYRIGHT 2004 ACS on STN
- AN 1997:628261 CAPLUS
- DN 127:304562
- TI Enzymes of heme biosynthesis
- AU Dailey, Harry A.
- CS Department of Microbiology, Department of Biochemistry and Molecular Biology, The University of Georgia, Athens, GA, 30602-7229, USA
- SO JBIC, Journal of Biological Inorganic Chemistry (1997), 2(4), 411-417 CODEN: JJBCFA; ISSN: 0949-8257
- PB Springer
- DT Journal; General Review
- LA English
- RE.CNT 53 THERE ARE 53 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT
- L3 ANSWER 13 OF 22 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
- AN 1997:350054 BIOSIS
- DN PREV199799649257
- TI Isolated Bacillus subtilis HemY has coproporphyrinogen III to coproporphyrin III oxidase activity.
- AU Hansson, Mats [Reprint author]; Gustafsson, Mattias C. U.; Kannangara, C. Gamini; Hederstedt, Lars
- CS Carlsberg Lab., Dep. Physiol., Gamle Carlsberg Vej 10, DK-2500 Copenhagen, Valby, Denmark
- SO Biochimica et Biophysica Acta, (1997) Vol. 1340, No. 1, pp. 97-104. CODEN: BBACAQ. ISSN: 0006-3002.
- DT Article
- LA English
- ED Entered STN: 11 Aug 1997 Last Updated on STN: 4 Sep 1997
- L3 ANSWER 14 OF 22 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN DUPLICATE 8
- AN 1997:156826 BIOSIS
- DN PREV199799456029
- TI Characteristics of human protoporphyrinogen oxidase in controls and variegate porphyrias.
- AU Dailey, Harry A. [Reprint author]; Dailey, Tamara A.
- CS Dep. Microbiol., Univ. Georgia, Athens, GA 30602-2605, USA
- SO Cellular and Molecular Biology (Noisy-Le-Grand), (1997) Vol. 43, No. 1, pp. 67-73.
- DT Article
- LA English
- ED Entered STN: 15 Apr 1997 Last Updated on STN: 2 May 1997

- L3 ANSWER 15 OF 22 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN DUPLICATE 9
- AN 1996:242560 BIOSIS
- DN PREV199698790689
- TI Protoporphyrinogen oxidase of Myxococcus xanthus: Expression, purification, and characterization of the cloned enzyme.
- AU Dailey, Harry A. [Reprint author]; Dailey, Tamara A.
- CS Dep. Microbiol., Univ. Georgia, Athens, GA 30602-2605, USA
- SO Journal of Biological Chemistry, (1996) Vol. 271, No. 15, pp. 8714-8718. CODEN: JBCHA3. ISSN: 0021-9258.
- DT Article
- LA English
- OS Genbank-L43967; Genbank-M73709; Genbank-M97208; Genbank-U25114; Genbank-U26446; Genbank-U38704
- ED Entered STN: 28 May 1996 Last Updated on STN: 11 Jul 1996
- L3 ANSWER 16 OF 22 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN DUPLICATE 10
- AN 1996:76509 BIOSIS
- DN PREV199698648644
- TI Human protoporphyrinogen oxidase: Expression, purification, and characterization of the cloned enzyme.
- AU Dailey, Tamara A.; Dailey, Harry A. [Reprint author]
- CS Dep. Microbiol., Univ. Ga., Athens, GA 30602-2605, USA
- SO Protein Science, (1996) Vol. 5, No. 1, pp. 98-105. ISSN: 0961-8368.
- DT Article
- LA English
- OS Genbank-L27429; Genbank-M97208; Genbank-U25114; Genbank-U26446
- ED Entered STN: 27 Feb 1996 Last Updated on STN: 10 Jun 1997
- L3 ANSWER 17 OF 22 CAPLUS COPYRIGHT 2004 ACS on STN
- AN 1994:695704 CAPLUS
- DN 121:295704
- TI Purification and properties of **protoporphyrinogen**oxidase from the yeast Saccharomyces cerevisiae: mitochondrial
 location and evidence for a precursor form of the protein
- AU Camadro, Jean-Michel; Thome, Francoise; Brouillet, Nicole; Labbe, Pierre
- CS Lab. Biochimie Porphyrines, Dep. Microbiologie Institut Jacques Monod, Paris, F-75251, Fr.
- SO Journal of Biological Chemistry (1994), 269(51), 32085-91 CODEN: JBCHA3; ISSN: 0021-9258
- PB American Society for Biochemistry and Molecular Biology
- DT Journal
- LA English
- ANSWER 18 OF 22 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2004) on STN
- AN 96:30323 AGRICOLA
- DN IND20513485
- TI Characterization of plant and yeast protoporphyrinogen oxidase: molecular target of diphenyl ether type herbicides.
- AU Camadro, J.M.; Matringe, M.; Brouillet, N.; Thome, F.; Labbe, P.
- CS Universite Paris, Paris, France.
- AV DNAL (QD1.A45)
- SO ACS symposium series, 1994. No. 559. p. 81-90 Publisher: Washington, D.C.: American Chemical Society, 1974-CODEN: ACSMC8; ISSN: 0097-6156
- NTE In the series analytic: Porphyric pesticides: chemistry, toxicology and

pharmaceutical applications / edited by S.O. Duke and C.A. Reheiz. Includes references District of Columbia; United States CY DTArticle; Law U.S. Imprints not USDA, Experiment or Extension FS English LA ANSWER 19 OF 22 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN L3 DUPLICATE 11 1988:198533 BIOSIS AN DN PREV198885099879; BA85:99879 MOUSE PROTOPORPHYRINOGEN OXIDASE KINETIC PARAMETERS TT AND DEMONSTRATION OF INHIBITION BY BILIRUBIN. FERREIRA G C [Reprint author]; DAILEY H A ΑU DEP MICROBIOL, UNIV GA, ATHENS, GA 30602, USA CS SO Biochemical Journal, (1988) Vol. 250, No. 2, pp. 597-604. ISSN: 0264-6021. DΤ Article FS BAENGLISH LΑ Entered STN: 21 Apr 1988 EDLast Updated on STN: 21 Apr 1988 L3 ANSWER 20 OF 22 CAPLUS COPYRIGHT 2004 ACS on STN 1988:71100 CAPLUS ANDN 108:71100 Purification and properties of protoporphyrinogen TΙ oxidase from an anaerobic bacterium, Desulfovibrio gigas Klemm, Dwight J.; Barton, Larry L. ΑIJ Dep. Biol., Univ. New Mexico, Albuquerque, NM, 87131, USA CS Journal of Bacteriology (1987), 169(11), 5209-15 SO CODEN: JOBAAY; ISSN: 0021-9193 Journal DTLA English L3 ANSWER 21 OF 22 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN DUPLICATE 12 AN1987:441567 BIOSIS DN PREV198784097405; BA84:97405 ΤI PURIFICATION OF BOVINE PROTOPORPHYRINOGEN OXIDASE IMMUNOLOGICAL CROSS-REACTIVITY AND STRUCTURAL RELATIONSHIP FERROCHELATASE. SIEPKER L J [Reprint author]; FORD M; DE KOCK R; KRAMER S ΔII CS DEP HAMAETOL, SCH PATHOL, UNIV WITWATERSRAND , PO BOX 1038, JOHANNESBURG 2000, SOUTH AFRICA Biochimica et Biophysica Acta, (1987) Vol. 913, No. 3, pp. 349-358. SO CODEN: BBACAQ. ISSN: 0006-3002. DT Article FS RΑ LA ENGLISH ED Entered STN: 24 Oct 1987 Last Updated on STN: 24 Oct 1987 ANSWER 22 OF 22 CAPLUS COPYRIGHT 2004 ACS on STN L3 1964:24464 CAPLUS ΑN 60:24464 DN OREF 60:4382a-c TIThe enzymic conversion of coproporphyrinogen III into protoporphyrin IX ΑU Porra, R. J.; Falk, J. E. Div. Plant Ind., C.S.I.R.O., Canberra, Australia CS SO Biochemical Journal (1964), 90(1), 69-75 CODEN: BIJOAK; ISSN: 0264-6021

DT

LA

Journal Unavailable => FIL STNGUIDE
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LAST RELOADED: Mar 12, 2004 (20040312/UP).

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L1

(FILE 'HOME' ENTERED AT 10:23:34 ON 19 MAR 2004)

FILE 'AGRICOLA, BIOSIS, CAPLUS, EMBASE' ENTERED AT 10:23:53 ON 19 MAR 2004

1243 S PROTOPORPHYRINOGEN (S) OXIDASE

L2 42 S L1 AND FAD

L3 22 DUP REM L2 (20 DUPLICATES REMOVED)

FILE 'STNGUIDE' ENTERED AT 10:27:06 ON 19 MAR 2004